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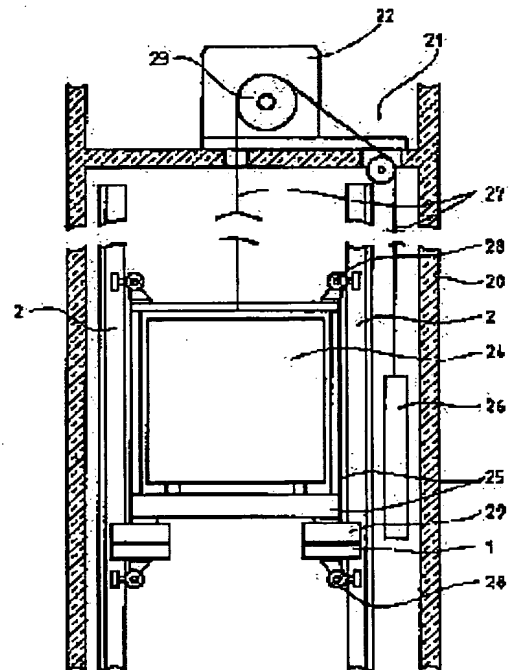
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**(54) DEVICE AND METHOD TO PREVENT VERTICAL DIRECTIONAL DISPLACEMENT AND VERTICAL DIRECTIONAL VIBRATION OF LOAD SUPPORT MEANS OF VERTICAL CARRIER DEVICE**

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a device and a method to prevent vertical directional displacement and vertical directional vibration of a load support means of a vertical carrier device.

SOLUTION: A load support means 24 is furnished with a brake device 1 to firmly hold a carrier means on a guide rail 2 to prevent vertical directional displacement and vertical directional vibration in the middle of stopping at a landing. This brake device 1 has a sensor built in to indicate holding force to be generated between the load support means 24 and the guide rail 2. A driving adjustor makes it possible to adjust tensile force in a hanging means 27 to carry the load support means 24 through a driving device 22 so that signals from these sensors release and open the brake device 1 without generating radical movement on the load support means 24 before restarting travel.



## LEGAL STATUS

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